

MAMMOGRAPHY PATIENT CONTACT TEMPERATURE CONTROLLER

Abstract

A mammography imaging assembly is provided comprising an imaging frame assembly, a imaging signal generation assembly mounted to the imaging frame, and an imaging detector bucky mounted to the imaging frame assembly. The imaging detector bucky comprises a patient exposure surface facing the imaging signal generation assembly. A thermo sensor assembly is positioned to monitor temperature at the patient exposure surface. A thermo generating element is in thermal communication with the patient exposure surface. A logic is in communication with the at least one thermo sensor assembly and the thermo generating element such that it controls heat generated by the thermo generating element and the temperature of the patient exposure side is controlled. A compression paddle is movably positioned between the imaging signal generation assembly and the imaging detector bucky.